

34

FIGURE 2b

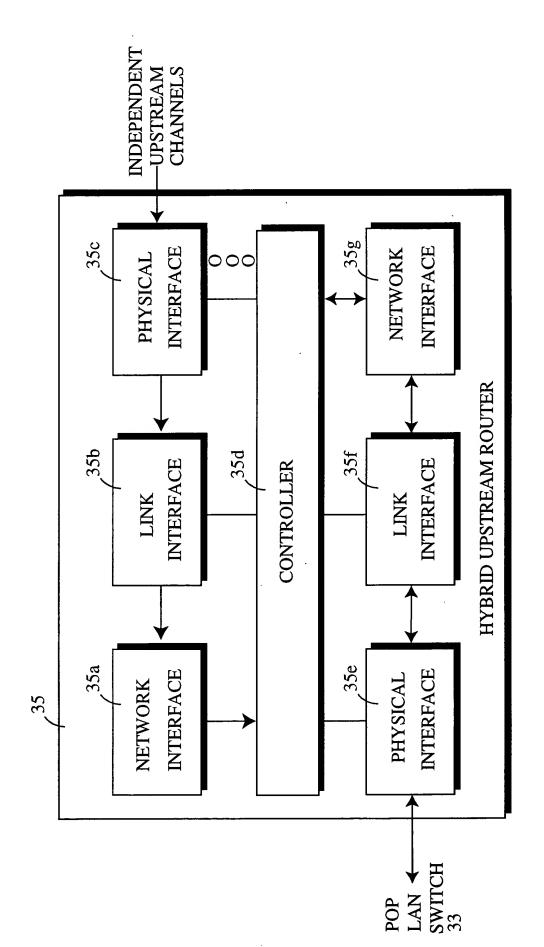
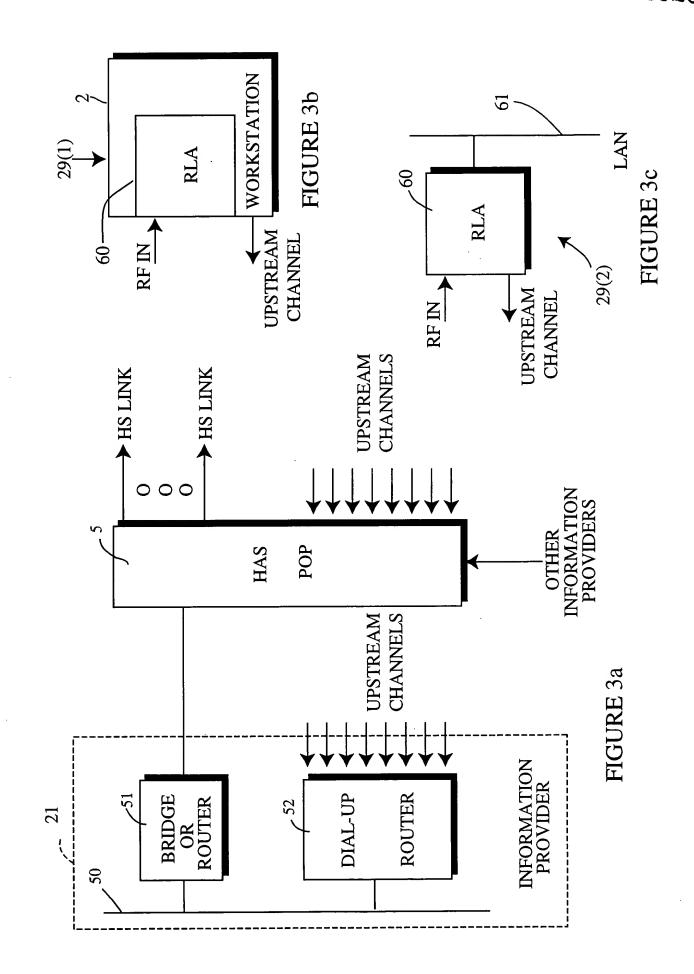


FIGURE 2c



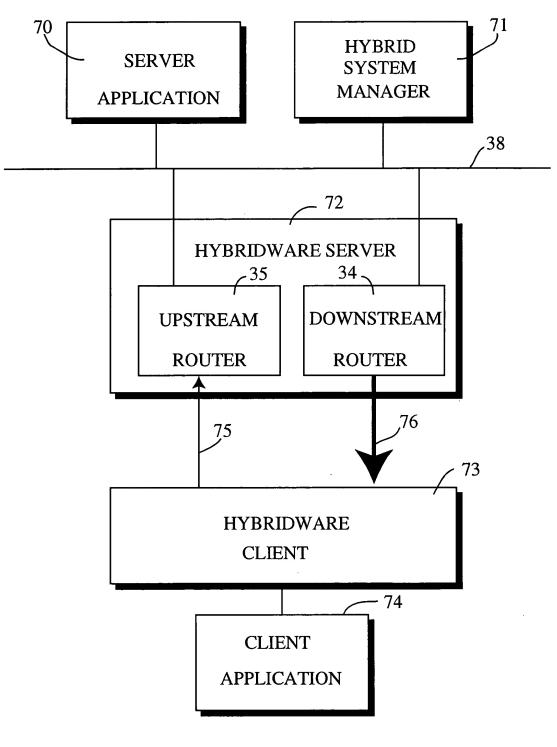


FIGURE 4

- 100 -108 CLIENT APPLICATION SENDS DATA TO HYBRID ROUTER ALLOCATES UPSTREAM SERVER APPLICATION CHANNEL FOR -101 HYBRIDWARE CLIENT HYBRIDWARE CLIENT -109 CREATES CHANNEL HYBRID ROUTER REQUEST SENDS UPSTREAM 102 CHANNEL ALLOCATION TO HYBRIDWARE CLIENT HYBRIDWARE CLIENT VIA HIGH SPEED WAITS FOR POLL DOWNSTREAM CHANNEL -103 -110 HYBRIDWARE CLIENT HYBRIDWARE CLIENT SENDS CHANNEL REQUEST **RECEIVES UPSTREAM** VIA LOWER SPEED CHANNEL ALLOCATION **UPSTREAM CHANNEL** 111 -104 HYBRIDWARE CLIENT HYBRID ROUTER TUNES TO UPSTREAM RECEIVES CHANNEL REQUEST DATA CHANNEL 112 - 105 HYBRIDWARE CLIENT HYBRID ROUTER SENDS APPLICATIONS SENDS LOGIN MESSAGE TO DATA HYBRID SYSTEM MANAGER -113 -106 **CLIENT APPLICATION** HYBRID SYSTEM MANAGER AND **VERIFIES** SERVER APPLICATION HYBRIDWARE CLIENT SEND AND RECEIVE DATA VIA THE -107 ASYMMETRIC HYBRID ROUTER HYBRID ACCESS SYSTEM RECEIVES LOGIN RESPONSE **FROM HYBRID SYSTEM MANAGER** FIGURE 5

200 208 CLIENT APPLICATION HYBRID ROUTER SENDS DATA TO SERVER APPLICATION SENDS AUTHORIZATION **MESSAGE TO** -201HYBRIDWARE CLIENT HYBRIDWARE CLIENT VIA HIGH SPEED CREATES CHANNEL DOWNSTREAM CHANNEL REOUEST 202 HYBRIDWARE CLIENT DIALS THE HYBRID ROUTER 203 209 HYBRIDWARE CLIENT HYBRIDWARE CLIENT SENDS CHANNEL REQUEST **RECEIVES** VIA LOWER SPEED PSTN AUTHORIZATION **UPSTREAM CHANNEL MESSAGE** 204 HYBRID ROUTER RECEIVES CHANNEL REQUEST 212 205 HYBRIDWARE CLIENT HYBRID ROUTER SENDS APPLICATIONS SENDS LOGIN MESSAGE TO **DATA HYBRID SYSTEM MANAGER** 213 206 CLIENT APPLICATION HYBRID SYSTEM MANAGER AND **VERIFIES** SERVER APPLICATION HYBRIDWARE CLIENT SEND AND RECEIVE DATA VIA THE -207 ASYMMETRIC **HYBRIDWARE ROUTER HYBRID ACCESS SYSTEM** RECEIVES LOGIN RESPONSE **FROM HYBRID SYSTEM MANAGER** FIGURE 6

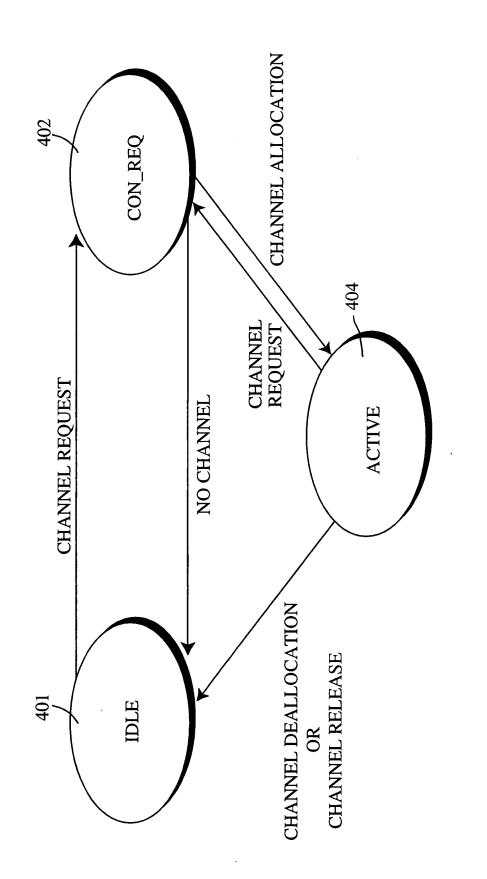


FIGURE 8

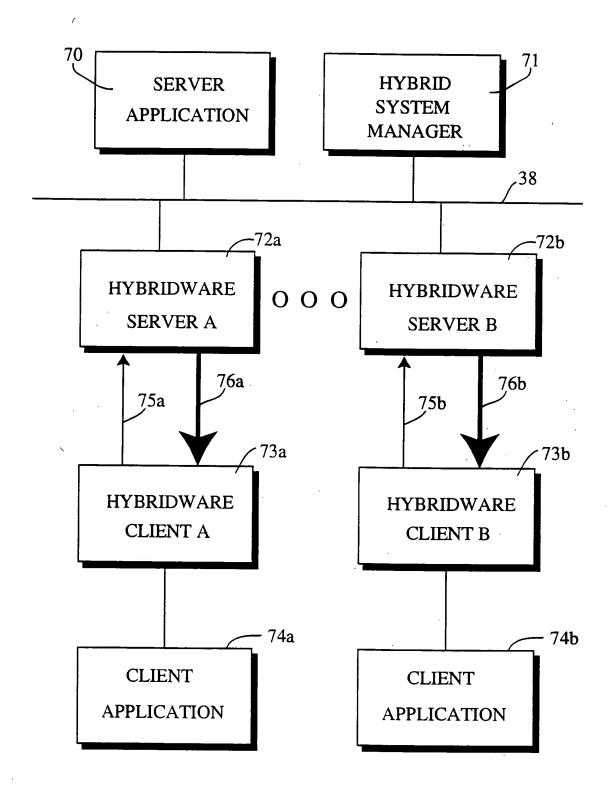
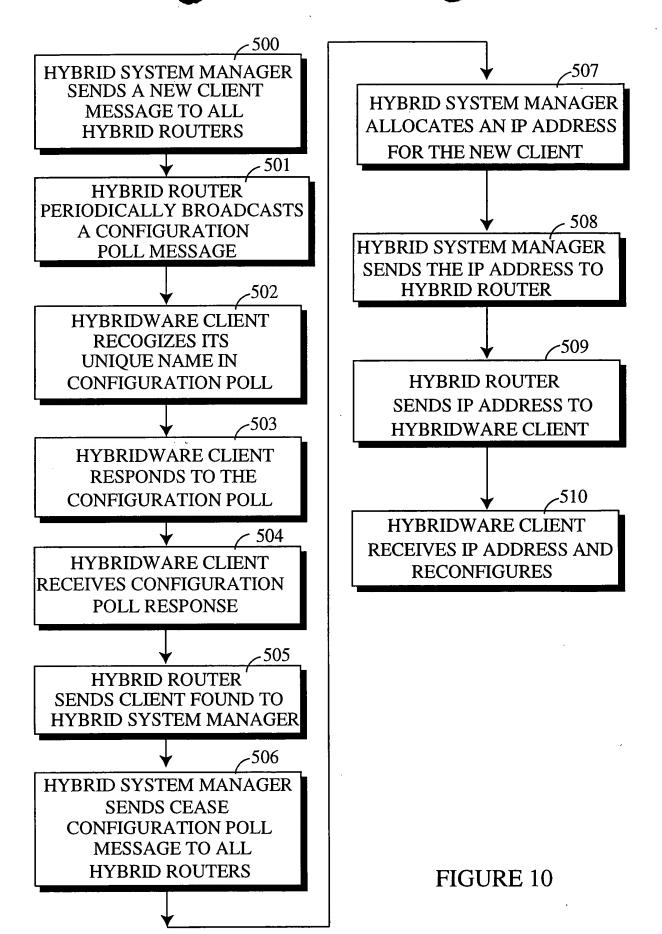


FIGURE 9



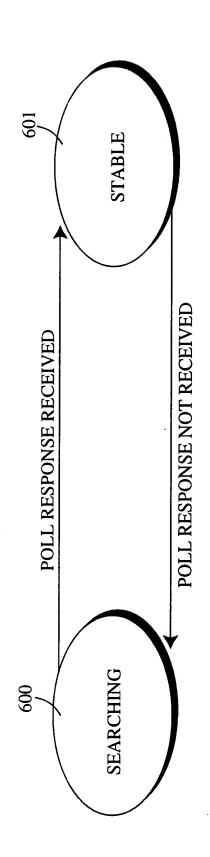
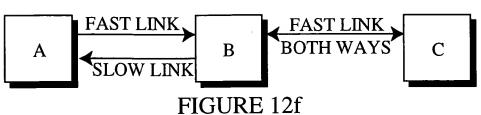


FIGURE 11

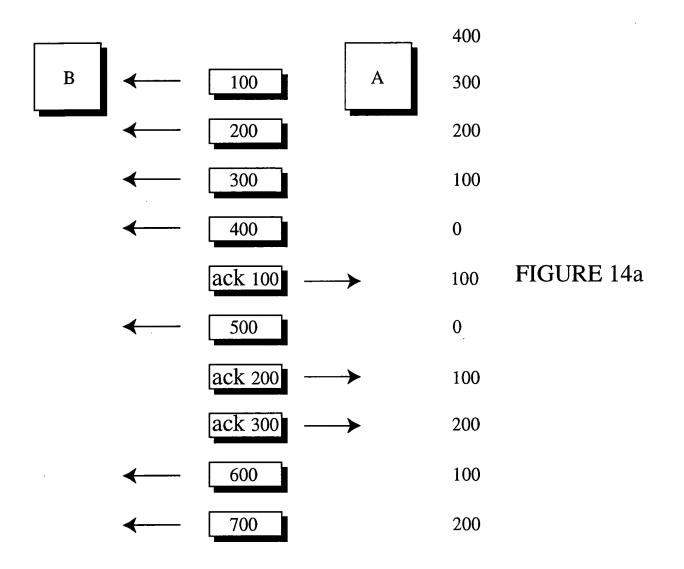
Α

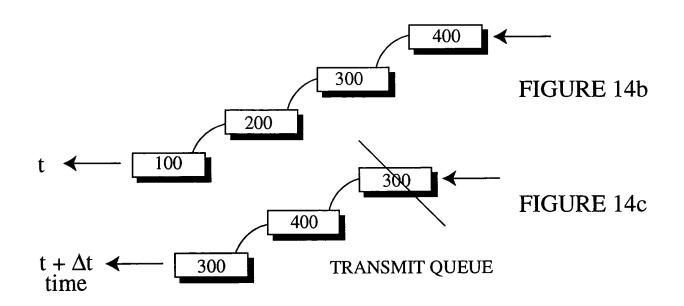


			·····	IP HEADER			—			TCP HEADER 		
← 32 BITS —	TOTAL LENGTH	D M FRAGMENT OFFSET	DIAGRAM HEADER CHECKSUM	SOURCE ADDRESS	DESTINATION ADDRESS	OPTIONS (0 OR MORE 32 BITS)	DESTINATION PORT	SEQUENCE NUMBER	ACKNOWLEDGEMENT NUMBER	WINDOW	URGENT POINTER	OPTIONS (0 OR MORE 32 BI
	IP HDR LEN TYPE OF SERVICE	DATAGRAM NUMBER	IVE PROTOCOL	SOURCE			SOURCE PORT			u a e r s f r c o s y i g k n t n n	CHECKSUM	
	VERSION IP F		TIME TO LIVE				S			TCP HDR LEN		

FIGURE 13

CURRENT TRANSMIT AHEAD WINDOW OPENING FOR A





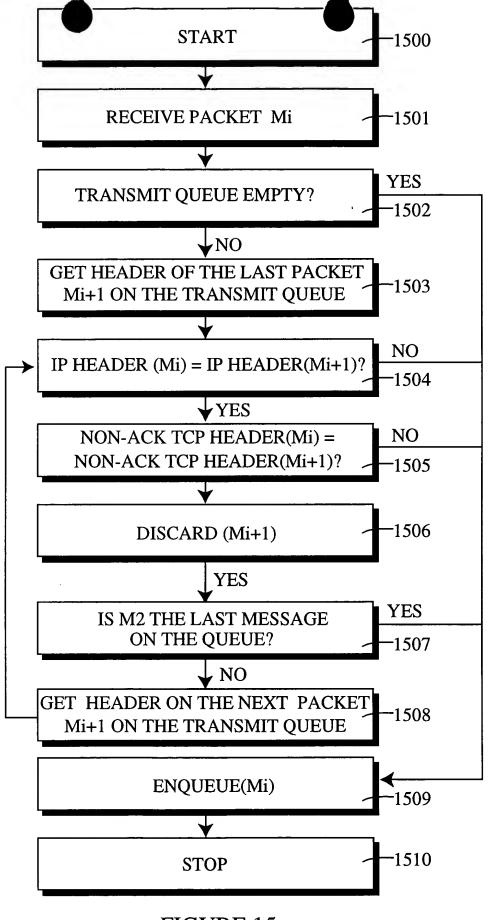


FIGURE 15

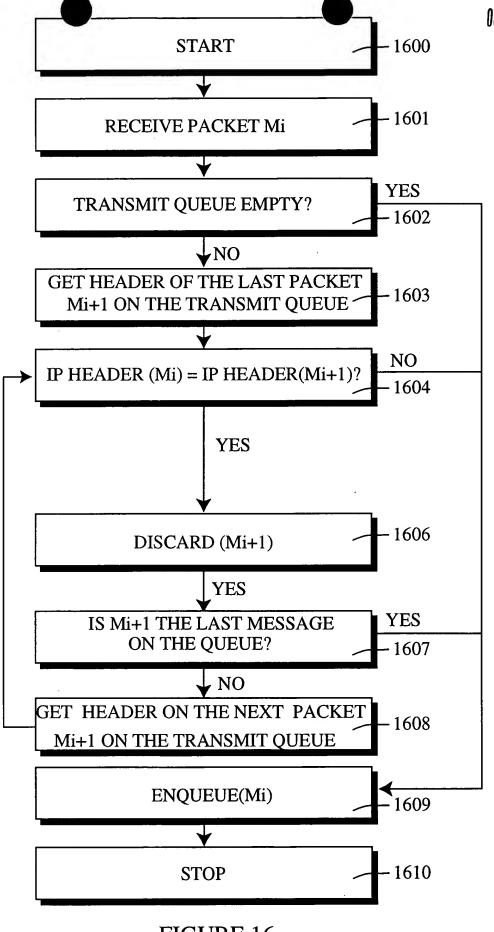
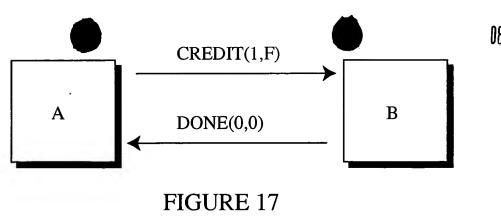


FIGURE 16



CREDIT(1,F) **PACKET** DONE(1,3) CREDIT(2,F) **PACKET PACKET** DONE(2,1) CREDIT(2,F) **PACKET** DONE(1,0) FIGURE 18

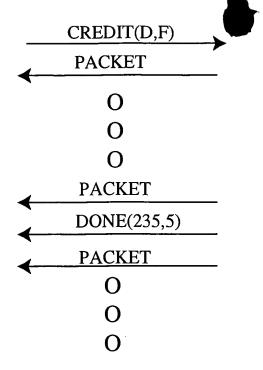


FIGURE 19

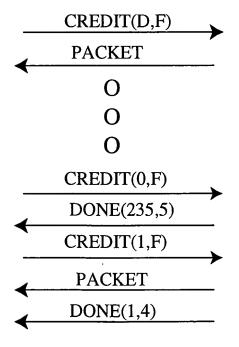


FIGURE 20